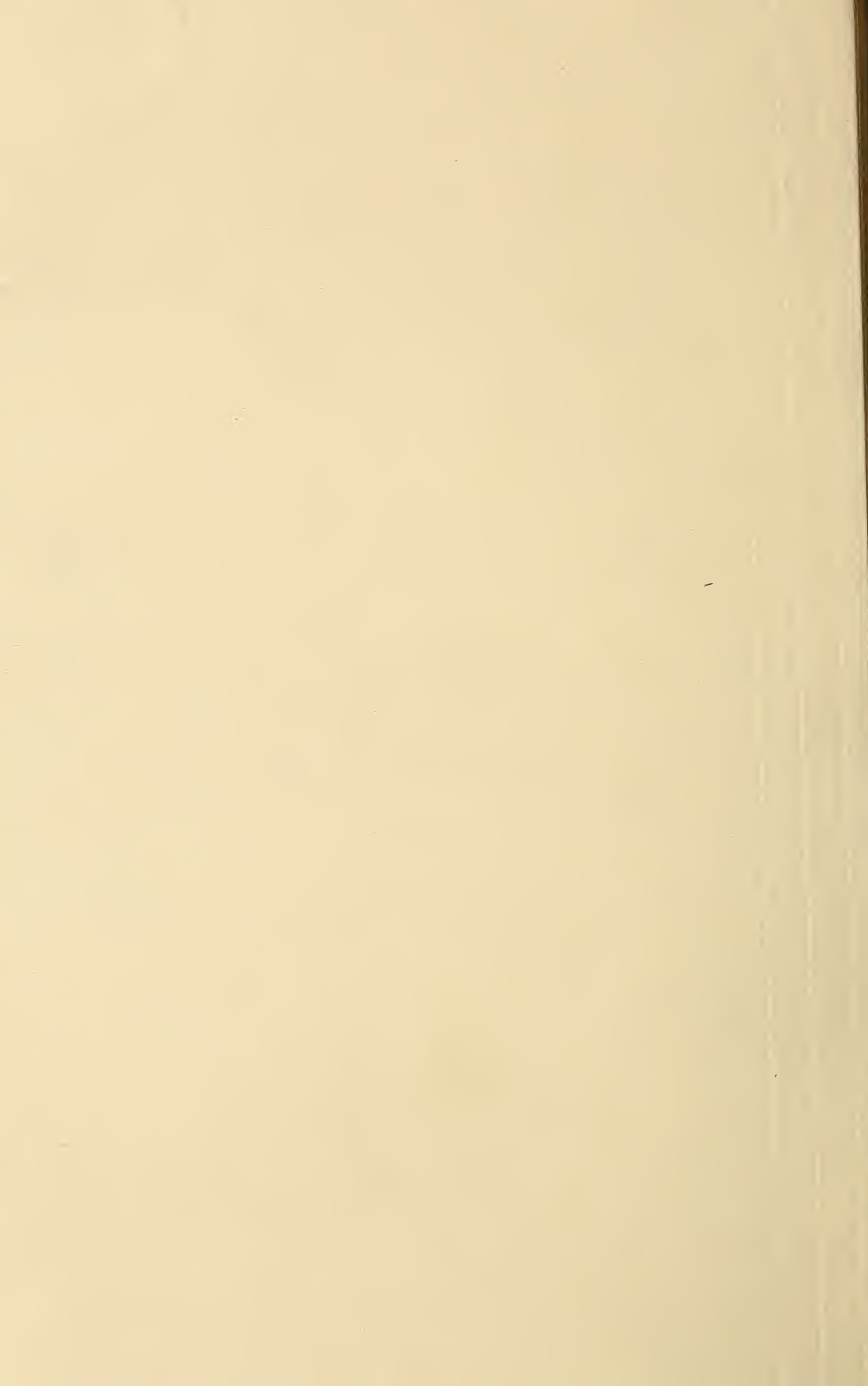


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PARK'S FLORAL MAGAZINE

VOL. XXXV.

LIBONIA, FRANK. CO., PA., AUGUST, 1899.

No. 8.

Circulation Bulletin . . .

FOR JUNE: Number of copies mailed of Park's Floral Magazine, as indicated by Postoffice receipts
FOR JULY: Number of copies printed of Park's Floral Magazine, as indicated by press counters

354,032
363,000

Address all advertising communications to **THE ELLIS COMPANY, Advn'g Managers,**
713-718 Temple Court, New York, N. Y.

A BARGAIN PREMIUM.

12 Choice Winter-blooming Plants with Park's Floral Magazine one year for only 25 Cents.

THIS MARVELLOUS OFFER GOOD ONLY TILL SEPT. 15, 1899.

Until September 15th I will, for 25 cents, send PARK'S FLORAL MAGAZINE one year, and securely pack and mail the following collection of 12 choice winter-blooming plants as a premium. The plants are in fine condition, and I guarantee them to reach you safely. Potted in three-inch pots and later shifted into four-inch ones by the time frost comes you will have a windowful of choice plants that will supply beautiful flowers and foliage throughout the winter months. Please note the list:

Geranium Mars, new everblooming variety; a sure winter-bloomer of the easiest culture. See engraving.

Begonia speculata, a hybrid Rex of great beauty, and the hardest of the type; an elegant pot plant.

Coleus, Leopard, one of the most gorgeous plants; richly marked yellow, carmine and bronze; very showy.

Ruellia Makoyana, the new species just introduced; foliage velvety green with silvery mid-rib and veins; flowers tubular, carmine-rose, freely produced; superb in both foliage and flowers.

Abutilon mesopotamicum, a slender sort that never fails as a winter-bloomer; support by string or trellis; flowers vermilion, yellow and chocolate; very handsome.

Lantana, New Weeping, a beautiful plant for winter blooming, either in a bracket pot or basket; the graceful hanging branches bear numerous clusters of lovely lilac bloom.

Peristrophe variegata, a superb foliage and blooming plant for winter; leaves distinctly marked with golden yellow; flowers carmine with yellow spot; a fine pot plant.

Heterocentron album, a Mexican plant of easy culture, sure to bloom in winter; pretty white flowers at leaf axils.

Acacia lophantha, a fern-like shrub greatly admired; one of the most charming of ornamental foliage plants.

German Ivy, a rapid-growing vine that will thrive without sun; useful for decorating the walls, mantels and sunless windows of a room; often known as Parlor Ivy.

Two Choice Plants, our selection. These will be taken from choice surplus stock, and cannot fail to please those who receive them.

SUBSTITUTES.—If you have any in the above list select substitutes from the following: *Justicia cocinea*, *Crassula cordata*, *Sansevieria Zeylanica*, *Impatiens sultana*, *Strobilanthes anisophyllus*, *Fuchsia* in variety, *Rex Begonia* and *Bougainvillea glabra*. We have many thousands of the above collections, and expect to supply all who subscribe within the prescribed time, but should the stock of any variety become exhausted the right is reserved to substitute something of equal value. Order at once. This is the most liberal offer we shall make this season.



The New Acalypha Sanderiana Free.

Get a friend to club with you and order two subscriptions, sending 50 cents, and the new and elegant everbloomer from the Philippine Islands, such as were sold last autumn at \$2.00 each; easily grown, and the grandest novelty of the year. As stated, all of the plants offered are well rooted and in fine condition. They will be securely packed and mailed, prepaid, to any part of the United States, and guaranteed to reach their destination in safety. This collection, I regret, cannot be mailed to my Canadian friends. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.

SPECIAL.—For a club of ten names I will add as premium a fine plant of the beautiful and fashionable Norfolk Pine.



NOW IS TIME TO PLANT THESE BEAUTIFUL HARDY BULBS.

TULIPS! TULIPS!

Splendid Collection of Ten Finest Named Sorts for Only 15 Cents. An Unparalleled Offer.

For only 15 cents I will mail **PARK'S FLORAL MAGAZINE** for six months, and Ten Choice Named Tulips of the best varieties, embracing all colors from pure white to dark crimson, as well as variegated. Following are the names and descriptions of this splendid collection of Tulips:

Artus, bright scarlet, large, fine-shaped flower, bold and beautiful.

Crimson King, superb glowing crimson, very large, showy flower; one of the best.

L'Immaculee, pure white, large, broad-petaled flower; the favorite white sort for house or garden.

Pigeon, pure white, a very handsome, showy Tulip.

Rose Tendre, fine rose and white; every bulb produces a splendid, well-formed flower.

Duchess of Parma, very fine orange and terracotta with yellow edge; very large and fine.

Bizard Verdici, yellow with brown stripes; one of the most attractive varieties.

Lac van Rijn, violet with white border.

Golden Crown, a handsome, large flower with golden yellow predominating.

Chrysolora, golden yellow, very large and showy; the best of single yellow Tulips.

All the above described Tulips, with **PARK'S FLORAL MAGAZINE** for six months, mailed for only 15 cents. If you are already a subscriber please state the fact, and an extra bulb will be sent you instead of the **MAGAZINE**. If you get up a club an extra bulb will be added for each name you send besides your own. If you wish to plant a large bed of these choice Tulips I will send you 100 bulbs (10 of each kind) for \$1.40, or 50 bulbs (5 of each kind), without **MAGAZINE**, for 75 cents. Full directions for planting these bulbs to bloom successfully and effectively, either in garden beds or window pots, will accompany the bulbs.

The Brightest and Best Tulips are included in this collection, and the bulbs are virtually given away upon the above marvellous offer. The bulbs are all sound, and of fine blooming size, having been produced for me in Holland during the past season, and imported by me this autumn. All are hardy, and should be planted during October and November to secure the best results. The bulbs I offer will reach me in September, and I hope to mail them so that they will reach the subscribers early in October. Early orders will be held till the bulbs arrive. But do not delay your orders. I have only a limited number of collections to offer, and shall advertise them no longer than my supply will hold out. To be sure that you come in for a share of these splendid Tulips send your subscription and the subscriptions of your friends promptly. Send for blank lists, samples, etc., and get up a club. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.

Double and Parrot Tulips.

For 15 cents I will mail the following splendid collection of Double and Parrot Tulips, or ten collections, 70 bulbs, for \$1.40:

Gloria Solis, double; very large flower, deep crimson with broad gold margin; splendid.

La Candeur, double, the best pure white double Tulip; large and attractive.

Rex Rubrorum, double, rich scarlet, of immense size, exceedingly showy.

Yellow Rose, double, golden yellow, very large flower, open and full; almost as showy as a Pæony.

Lutea Major, Parrot, immense golden yellow flowers, elegantly fringed petals.

Admiral de Constantinople, Parrot, crimson with orange-tipped fringed petals; flower 6 inches across.

Perfecta, Parrot, yellow with red stripes; enormous flowers, superbly fringed.

The above collection of Double and Parrot Tulips mailed for 15 cents. The four double Tulips are the most distinct and beautiful of their class, and the same may be said of the Parrots. Together they will form one of the most elegant groups of flowers that will adorn the spring garden. All are hardy, and will increase in beauty from year to year, if left undisturbed. Order early, while the collection is complete. Address

GEO. W. PARK, Libonia, Franklin Co., Pa.



DOUBLE TULIP.

\$15.95



ONLY ONE DOLLAR DOWN

Cut this ad. out and send to us with \$1.00 and we will send you this **HIGH GRADE 1899 MODEL \$50.00 VICUNA BICYCLE** by express, C. O. D., subject to examination. Examine it at your express office and if you find it a genuine 1899 model **HIGH GRADE \$50.00 VICUNA**, the grandest bargain you ever saw or heard of and you are convinced it is worth \$10.00 to \$15.00 more than any wheel advertised by other houses up to \$25.00, pay your express agent the balance, \$14.95 and express charges.

THE VICUNA

IS COVERED BY A BINDING GUARANTEE. Frame is 22 or 24 inch, made

from best seamless tubing, finest two-piece Denton hanger, finest full ball bearings, Mason arch crown, enameled black, green or maroon, highly nickel finished, Delhi padded saddle, up or down turn handle bars, best Doyle pedals, **HIGH GRADE GUARANTEED REGAL PNEUMATIC TIRES**, fine leather bag, complete with all tools and repair outfit. **ORDER TODAY. YOU CAN MAKE \$50.00 EVERY MONTH SELLING THESE WHEELS AT \$25.00.** (Sears, Roebuck & Co. are thoroughly reliable)

CATALOGUE FREE.

For \$1.00

SEARS, ROEBUCK & CO., CHICAGO, ILL. we furnish a Gas Lamp, the exact same lamp as is now being widely advertised as a premium with a bicycle as a **REGULAR \$4.00 ACETYLENE GAS LAMP**, but we do not guarantee or recommend it.

THREE ROGUES.

Oh, what shall I do
With these three little folks,
So full of their fun,
So full of their jokes!
They chatter like squirrels—
"Chipper-nip"—hark!
Like bobolinks whistle,
Like terriers bark.
Now here they go racing,
Hurrah and pell-mell!
Now where are they hiding—
Can anyone tell?

Miss Fannie J. Roberts.

Delaware Co., N. Y., Apr. 29, 1899.

CHILDREN'S CORNER.

Mr. Park:—I send you six yearly subscribers to your Floral Magazine at twenty-five cents a year and six premium plants to each subscriber, as offered in May number of Magazine. I am only a little girl of ten years old, and I thought I would help you to get some people to take your Magazine, as I do love flowers, and want every one else to. Maud Head.

Forest Co., Pa., June 13, 1899.

[NOTE.—The Editor particularly appreciates letters like the above. Whose will be next?—Ed.]

Dear Mr. Park:—I take your Magazine and like to read it very much. I go to school, and am in the class next to the highest grade. I am a dear lover of flowers. I like to read the Children's Corner and the European trip. I live on a 209 acre farm in a beautiful country, six miles south-east of Springdale, Rosa Cunningham.

Washington Co., Ark.

Dear Mr. Park:—While mamma was sending for seeds I thought I would write. Mamma takes your Magazine. She took it before she was married. I like to read it. We live six miles from town, and one and a half miles from school. We have a pet cat, two dogs, seven geese, and lots of chickens and pigs. Laura Shrimplin, age 10.

Leavenworth Co., Kan., Mar. 13, 1899.

Dear Mr. Park:—I am eight years old. I have a cat named Rosie. I like the Children's Corner. I go to church and Sunday school every Sunday. My Sweet Peas and Nasturtiums are coming up. I like to knit lace. We have a dog named Rover, and two pigs. I like the Magazine. I go to school. Henrietta Osgood.

Franklin Co., Mass., June 20, 1899.

Dear Mr. Park:—Mamma takes your Magazine, and we like it very much. Will some of the readers please tell me how to grow Forget-me-nots? Mabel E. Newton.

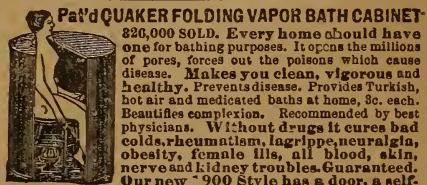
Doniphan Co., Kan., May 6, 1899.

SEND NO MONEY.



This Magnificent Solid Gold-plated Bracelet free. Don't send any money—just your name and address. We will send you postpaid to Large and Handsome Stamped Doyleys; different designs. Sell them to your friends at 10 cents each. Send us the \$1.00 and we will send you by return mail your handsome bracelet. Address **ACME JEWELRY CO., Wilkes-Barre, Pa.**

MENTION PARK'S FLORAL MAGAZINE



Pat'd QUAKER FOLDING VAPOR BATH CABINET—820,000 SOLD. Every home should have one for bathing purposes. It opens the pores, forces out the poisons which cause disease. Makes you clean, vigorous and healthy. Prevents disease. Provides Turkish, hot air and medicated baths at home, 3c. each. Beautifies complexion. Recommended by best physicians. Without drugs it cures bad colds, rheumatism, grippe, neuralgia, obesity, female ills, all blood, skin, nerve and kidney troubles. Guaranteed. Our new '900 Style has a door, a self-supporting frame, best material, rubber-lined. Folds small. Weight 5 lbs. Price complete \$5.00. Folded. Write us. Valuable book, etc., free. Agents wanted, men and women, \$100.00 a month and expenses. Address **B. WORLD MFG. CO., Cincinnati, O.** We recommend above firm as reliable.



SELF-SEALING PIE TIN has a crimped rim which holds both crusts firmly together and prevents the rich juices from escaping. It is so constructed that the crust will always bake crisp and brown. Sample sent postpaid on receipt of retail price, 25c. We are the largest manufacturers of Household Specialties in the U.S. AGENTS, write how to get this and others of our best selling novelties. —Outfit worth \$2.00—FREE. All goods guaranteed to give satisfaction. Address Dept. M **HOUSEHOLD NOVELTY WORKS, 25 Randolph St., Chicago, Ill.** This C. is worth a Million Dollars and is reliable.

\$13.25 BUYS A \$25.00 BICYCLE Don't buy a bicycle before you write for our 1899 Catalogue. 2nd hand wheels from \$5.00 up. NO MONEY REQUIRED in advance. Address **VICTOR WALKER & CO., Dept. G 19, 295 and 297 Fifth Ave., Chicago, Ill.**

FREE Send to **EDGAR TATE & COMPANY, 245 Broadway, New York**, for the most profitable little book on inventions ever written.

HYACINTHS! HYACINTHS!

A SUPERB PREMIUM COLLECTION. 10 FINE BLOOMING-SIZED BULBS
IN 10 FINEST NAMED SORTS. AN UNPARALLELED OFFER.

For 25 cents I will mail PARK'S FLORAL MAGAZINE one year and the following choice collection of named Hyacinths as a premium, paying postage and guaranteeing safe arrival:

SHADES OF RED.

Gertrude, bright waxy pink, truss large and compact; a fine show variety.

Gen. Pettisier, rich crimson scarlet, splendid spike, very early; beautiful.

Gigantea, light rose, large bells, extra large compact truss; very early.

SHADES OF WHITE.

Snow Queen, very fine pure white; superb bells, handsome truss.

Grandeur a Merveille, finest blush white, fine large truss; extra.

Voltatre, exquisite creamy white, large, handsome truss; very attractive.

SHADES OF LIGHT BLUE.

Leonidas, clear light blue, fine spike, early and handsome.

Blondin, fine porcelain blue, large, graceful bells, very fine truss; extra.

SHADES OF DARK BLUE.

Baron von Thuyll, deep violet blue, graceful bells, huge compact truss.

King of the Blues, dark blue, massive bells, broad heavy truss; best blue sort.

25 cents will pay for the above Hyacinth Premium and PARK'S FLORAL MAGAZINE for a year. If already a subscriber send the name of a friend or flower lover to whom you wish the MAGAZINE sent, and get the premium mailed to your own address.

These Choice Hyacinths were all imported from Holland this season, and though not large bulbs they are well matured, and can be depended upon for a fine display of flowers. The finest hardy sorts are represented, and all the distinct leading colors. They will bloom well either in pots in the house in winter, or bedded out for spring blooming. I offer these bulbs with confidence, feeling assured that they will please all who give them a trial. Unlike many Hyacinths offered these will increase in size and beauty for several years, whether potted or bedded. Full directions for management will accompany the bulbs.

For bedding in quantity I will mail 25 bulbs of each sort, 250 bulbs in all, for \$6.00, or 50 of each, 500 bulbs, for \$12.00, including the MAGAZINE one year.

CHOICE NAMED DOUBLE HYACINTHS!

Chas. Dickens, the finest double dark blue Hyacinth; splendid large bells and extra large truss.

Noble Par Merite, fine deep pink, superb large truss. Unsurpassed by any double Hyacinth of its color.

La Tour d'Auvergne, pure white, large double bells, grand heavy truss; exquisite.

These three splendid Double Hyacinths will be mailed to anyone sending a club of three subscribers (75 cents), or they will be added to the Hyacinth Premium of single sorts for 15 cents additional (40 cents in all). I recommend the Single Hyacinths as the best for general culture, but these are of the finest Double Hyacinths, and worthy of a place in every collection. Address

GEORGE W. PARK, Libonia, Franklin Co., Pa.

ORDER EARLY.—Last season I was unable to supply all who wanted the Hyacinth Premium. I did not have enough bulbs to go 'round. I hope to have enough this season, but to be sure of your supply it would be well to order early. The bulbs will be ready to mail early in September. If you want your order acknowledged before the bulbs are ready to mail enclose an addressed postal card with your order.

Roemer's Giant Prize Pansies.

For many years Mr. Frederick Roemer, of Germany, has given the Pansy special attention, and has developed a race which, for size, variety and attractiveness cannot be surpassed. The plants are of thrifty, compact habit, and the flowers of enormous size, and exhibit wonderful colors and rich variegations. There are no finer Pansies in the world than Roemer's Giant Prize, and I offer a collection of 10 packets, embracing all shades and variegations, as a premium to anyone paying 25 cents for a year's subscription to the FLORAL MAGAZINE, as follows:

White in variety, pure white, white with eye, etc.
Red in variety, bright red, rosy red, rich scarlet, etc.
Blue in variety, dark blue, dark violet, rich purple, etc.
Black in variety, coal black, black blue, jet black, etc.
Yellow in variety, rich pure yellow, golden yellow, etc.
Striped and Flaked, all distinctly striped and flaked.

Blotched and Spotted, peculiar and odd markings.
Shaded and Margined, beautiful tints and shades.
Azure in variety, light blue, ultramarine, azure, etc.
Mixed colors, embracing a variety of superb shades and markings not included in the above offerings; many rare and exquisite varieties.

If you are already a subscriber you can have the MAGAZINE sent to any flower-loving friend. It will be appreciated. If you wish a grand bed of Pansies next spring—a bed rivaling the Tulips in show and beauty, sow the seeds during summer. Try it. You will be astonished and delighted with the result. Address

GEORGE W. PARK, Libonia, Franklin Co., Pa.



PARK'S FLORAL MAGAZINE.

A MONTHLY JOURNAL OF FLORICULTURE.

Vol. XXXV.

Libonia, Pa., August, 1899.

No. 8.

FLOWERS.

How they lift the soul above its petty trials,
Glorious messengers to inner self from Heaven;
Gazing in the Lily's depth what self-denials
Do we utter, till our souls from sin are shriven.

God's dear angels are they in the hour of sorrow;
Their sweet faces simply say "do thou look up,
Thou shalt meet thy loved ones on some brighter
morrow;

Never-ending joys are thine, do thou but drink
thy cup."

Suffolk Co., Mass.

Lilla N. Cushman.

THE MARS GERANIUM.

MANY of the Geraniums in cultivation are of rank growth, bearing large leaves, and sparing clusters of bloom, but the Mars Geranium is not of that class. It is of dwarf, compact habit, with dense, bronze-marked foliage, and at the axil of almost every leaf a slender stem pushes up, bearing at its summit eight or ten lovely apple-blossom-like flowers. It is one of the best of Geraniums for pot culture, and if in good condition in the autumn it never fails to bloom abundantly throughout the winter months. The illustration, photographed and engraved upon wood, shows a pot-grown plant in full bloom, and is a faithful representation of this "baby" Geranium.

Get a small plant during this month, pot it in a compost of fibrous loam, well-rotted manure and sand, equal parts, using a three-inch pot with good drainage. Keep the soil moist and well-stirred, and pinch out the buds that appear. When the pot is filled with roots shift into a pot a size larger, and continue the same treatment.

You will then have a well-branched plant, ready for active service in the window when cold weather comes.

The Mars Geranium is so different from other varieties and blooms so freely that it becomes a favorite wherever it goes. It is one of the few Geraniums that will not disappoint you as a pot plant. A knowledge of its beauty and utility will insure for it a place in every collection of plants for either summer or winter blooming, and you will regard it as one of the "indispensables."

Trellis for Sweet Peas.—It is folly to attempt growing Sweet Peas upon wire netting in an exposed situation, even though such a method is frequently recommended by floral writers. Metal attracts heat, and the Sweet Pea, which re-

els in cool situations, is bound to suffer from contact with the heated wire. In earlier days I made the ignorant venture of growing my "ladies of the bower" according to the above method. I wanted to construct a cosy corner upon an unused portion of the lawn, so I had arranged a semi-circle of the netting for my hedge of Peas, and within planted a Caladium. But, alas! Before my Peas half covered the net-

ting they were virtually burned to death. Now I grow my Sweet Peas upon the lower portion of the grape trellis, where they are somewhat shaded by the house during the forenoon, and in the afternoon partially so by small trees and the overhanging grape vines. Here they are always fresh and green, and bear their flowers in the greatest profusion.

Cornelia.

Franklin Co., O. Apr. 1, 1899.



THE MARS GERANIUM.

Park's Floral Magazine.

A MONTHLY. ENTIRELY FLORAL.

GEO. W. PARK, Editor and Publisher,

LIBONIA, FRANKLIN COUNTY, PA.

CIRCULATION.—The actual circulation, proven when required, is 350,000 copies monthly. No free distribution to promiscuous lists of names. Advertising offices 713-718 Temple Court, New York, N. Y., The Ellis Company, Managers, to whom all communications about advertising should be addressed.

SUBSCRIPTION PRICE, 25 cents a year, prepaid.

THE EDITOR invites correspondence with all who love and cultivate flowers.

Entered in the Post Office at Libonia as Second Class Mail Matter.

AUGUST, 1899.

Potted Auratum Lily.—A good bulb of Auratum Lily in a nine-inch or ten-inch pot should bloom from year to year for several years undisturbed. Use a sandy, fibrous loam with good drainage, and set the bulb several inches beneath the surface, as there are annual rootlets issue around the stem above the bulb. The surface soil may be renewed each season, and some liquid fertilizer used if necessary. After blooming continue watering and give a sunny position till the top begins to die, then gradually withhold the supply of water until the soil is almost dry, in which condition set the pot in a cool place until you want the growth renewed in the spring. The plant is not well adapted for forcing.

Variegated-leaved Abutilon.—The variegated-leaved Abutilons, particularly *Souv. de Bonn* and *Savitz*, are liable to revert to the original green color when grown in rich clay soil. When a plant shows a tendency to lose its variegation give it less water and more sun, and if possible a poorer soil. The variegation is always more distinct and attractive with a rather poor soil, and a dry, sunny situation.

Asparagus.—The various species of Asparagus must have a rest each season, during which period the soil should be kept only moist enough to prevent the roots from wilting. When your Asparagus plants cease to grow and the foliage begins to turn yellow, let them rest. They will grow all the more vigorously after the resting period is over.

Rex Begonias.—When these become old, and have long, rough trunks, cut off the top and insert in moist sand to start new roots, and cut the rest into pieces an inch long and barely cover them in a tray of leaf-mould or of sandy, porous earth. Each piece will throw out roots and form a group of leaves, and become a good plant.

ABOUT BEGONIAS.

A COMPOST of rotted sods, leaf-mould and sand, equal parts, suits all kinds of Begonias. Have the pots well-drained, and water freely while the plants are growing. A moist, shady place is desirable. When plants become "leggy" the tops can be cut off and inserted in wet sand in a place free from sun and draughts of air, just as you would insert cuttings. Roots will soon form, and the plants can be potted. The leggy part can be chopped up into pieces an inch or two in length and buried very shallow in sand or sandy soil, kept constantly moist, not wet. In the course of a month or six weeks roots will form, and leaves will push out from the joints, and they are ready to pot. Keep your Begonias at an even temperature. If the plants become chilled it interferes with their growth, and often causes the leaves to drop.

Century Plant.—The Century Plant, *Agave Americana*, is a succulent plant indigenous in South America, and will succeed in a dry, rather warm atmosphere. Give it a small pot compared with the size of the plant, and a soil made up of turfy loam and sand, with good drainage. It may be watered freely when growing, but in winter let the soil become almost dry. Repot in the spring. Single plants are the most graceful, and if, from any cause, a plant loses its center and divides into several suckers, it is as well to cut them apart and pot separately. Keep the soil merely moist till roots form, then water more freely. They will winter in any dry, frost-proof room.

Snowballs.—A subscriber in Schuylkill county, Pennsylvania, writes that her "Snowball" bush is troubled with mildew, and the flowers never look pretty. It is doubtless troubled with aphides instead of mildew. Syringe freely with soap suds with kerosene added, beginning early, and applying the remedy till the bloom develops. This is considerable work, and it is better to let the old-fashioned sort die and get a plant of the Japanese Snowball—*Viburnum plicatum*, which is not troubled with insects, and bears long wreaths of immense white blooms, fully developed, every season.

Vine for a North Wall.—The *Aristolochia siphon* does well on the north side of a building or wall, where it receives only the morning sun. It is hardy, vigorous, and has dense, semi-tropical foliage. It is easily propagated from seeds, which usually germinate the second year after they are sown.

THE BULBOUS FUMITORY.

FROM Illinois the Editor received the following note, with the specimen represented in the sketch:

Mr. Editor:—I have never found the name of this little spring flower. It is low-growing, the stem I send you being unusually long. It comes early, never fails to bloom, and makes a beautiful bed. It is tuberous-rooted. Can you tell me what it is?

Mrs. S. C. H.

Jackson Co., Ill.

Apr. 19, 1899.

The specimen proved to be the old *Corydalis solida*, known in bulb catalogues as *Corydalis bulbosa* or *Fumaria bulbosa*. The sketch, figure 1, represents the leaf and branch of natural size, with an enlarged flower at the right. Like other species of the genus the flower has four petals, two outer ones open (*a*, *a*), one of which is spurred (*x*), and two inner ones (*b*) closed. Each flower is subtended by a lacinated, wedge-shaped bract, as indicated in the drawing of the cluster. In figure 2 *a* shows a young bud with the spur, *x*, just beginning to develop; *b* represents the inner petals which enclose the stamens and pistil. *c* shows the pistil with its peculiar stigma, and *d* one of the two sets of stamens, the filaments being united the greater part of their length.

The species of *Corydalis* until recently have been classed under the Natural order *Fumariaceæ*, along with *Adlumia*, *Dicentra* and *Fumaria*, but more modern botanists have eliminated the order *Fumariaceæ*, and merged the genera it included in the order *Papaveraceæ*, the Poppy Family. The various species of *Fumaria* with those of *Corydalis* are classed together by these botanists under the generic name *Capnoides*, embracing more than 100 species. *C. solida* is a native of southern Eu-

rope, but has been naturalized in England. It is a hardy and tenacious spring-blooming plant, and deserves a place in every collection of hardy flowering plants.

Ornamental Beans.—The Scarlet Runner is one of the most beautiful and useful of Ornamental Beans. It grows vigorously and soon covers an arbor or trellis. If not allowed to develop seeds its showy scarlet clusters of bloom will be freely produced throughout the summer and autumn. *Dolichos lablab* is also a useful climbing bean. It blooms abundantly, and the different varieties bear different colors, ranging from white to purple. This is not a true bean, but is much like one, and is known as *Hyacinth Bean*. There are several species of *Phaseolus* or true beans that are useful only in the hot house, and are not of interest to the amateur florist in search of useful climbing vines.

Calceolarias.

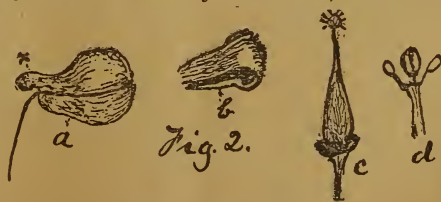
When these are troubled with aphides or green flies place tobacco waste over the foliage for a day at a time, applying several times, at intervals of two or three days, until the enemy is banished. The same treatment is effectual in ridding other plants, as *Cinerarias*, *Roses*, etc., of aphides. This tobacco waste consists of stems, leaves and dust, and can be obtained at any segar factory. Do not keep the plants under treatment for more than a day at a time, as it is liable to injure the foliage if the treatment is protracted.

Decorative Plants for a Hall.

—For an unheated but frost-proof hall in winter the *Latania borbonica*, *Kentia Balmoreana*, *Grevillea robusta*, *Aspidistra*, *Cyperus alternifolius*, Boston Fern, *Asparagus Sprengeri* and *Asparagus plumosus* are all desirable.



THE BULBOUS FUMITORY.



THE BULBOUS FUMITORY.

WINTER CUT FLOWERS.

FOR cut flowers in winter such Roses as Hermosa, Clotilde Soupert, Francisca Kruger, Marie Lambert and Meteor are the best for the amateur florist. Carnations may also be used, as Portia, Lizzie McGowan and Daybreak, if they can be properly treated. Eupatorium riparium, Stevia serrata, Primula obconica, Mrs. Hill and Mars Geraniums, Crassula cordata, and the various bulbs, as Hyacinths, Narcissus, Allium, etc., will be found satisfactory. Among Lilies the Bermuda Easter Lily is the best, but cannot be recommended now on account of the Lily disease, which affects most of the bulbs offered for sale.

Starting a Rex Begonia.—Those who fail in their attempts to start a Rex Begonia from the leaf should try inserting the stem of the leaf—a half-inch length just at the base of the leaf. In preparing the cutting cut away the edges of the leaf and leave only the central part, say an inch in diameter. When roots form upon the stem the little leaves will begin to push out from the center at the base of the mid-rib. Insert the cutting in a tumbler of wet sand, and set in a place free from draughts of air, and where there is plenty of light, but not direct sunlight.

Hardy Moonflower.—The hardy Moonflower, *Ipomœa pandurata*, can be successfully started from seeds, but will require several years to attain blooming size. The roots grow very large, and if a blooming-sized root is carefully lifted early in spring and planted it will produce a strong blooming vine the first season. The small tubers offered by many florists cannot be depended upon. They often fail to grow.

Pansies and Red Spider.—In a dry, shaded place Pansies often become rusty and covered by a fine web. This is the work of the red spider. The best remedy is to cut off and burn the branches, and let the stems start new branches from the base. Keep these syringed or well sprinkled with soap-suds to prevent another attack of the pest.

Propagating Clematis.—The best method of propagation of Clematis for the amateur is from seeds. Sow them either in spring or fall, and do not expect the plants to appear until the second or third year.

Seedling Gladiolus.—Seedling Gladiolus bulbs usually bloom when two or three years old. Their blooming age depends much upon the conditions under which they are grown.

FORCING THE LILAC.

TO have the Lilac in bloom in winter select and pot in autumn a plant well-set with flower-buds. These buds may be distinguished from wood buds by their globular, plump appearance. Pot firmly, and set the pots in a place well sheltered by some material that will break the severity of frosts. Here let them remain till you wish to start them, then remove to a rather shady place with a moist temperature of 55°. Avoid a temperature too warm, as this will cause the flower buds to blast. Keep in a cool situation while in bloom. After blooming cut the plants back, keep growing till danger from frost is past, then plunge or bed them outdoors. Plants that have bloomed will be worthless for forcing till the second year, and other plants must be used the next season. To have good plants for forcing florists take young plants and grow them for several years in pots, shifting as required. In this way the best success is attained.

Insects on Roses.—The daily use of a good brass syringe throwing tobacco tea or kerosene emulsion will prevent the attack of insects injurious to Roses. The work should be begun as soon as the foliage develops, and continued till after the Rose blooms fade. Afterwards syringe as occasion demands. As a rule it is better to use the syringe in the evening than in the morning. During wet, cloudy weather it is mostly as well to discontinue syringing, as the depredations of insects usually occur during dry or sunny weather.

Variegation.—The variegation of the leaves of Funkia, Tradescantia and many other plants is always brighter and prettier in a sunny situation and when the plants are grown in soil lacking the element of iron. As a rule leaf mould and pure silver sand with a little manure makes a good compost for plants that are liable to lose their variegated character.

Sauromatum.—The various species of Sauromatum come from tropical Asia and Africa, and require hot house treatment. They are tuberous-rooted herbaceous perennials, and should be given a rest during winter. They thrive in a compost of equal parts light loam and peat, and are increased by offsets.

Justicia.—Plants of Justicia grow and bloom freely in equal parts of turfy loam, rotten manure and sand, well composted. Water less freely in winter, and keep in a temperature of about 60°. The plants are of easy culture, and mostly bloom satisfactorily, even when young.

WILD FERNS.

IN the woods, nearly everywhere, there are pretty Ferns, delicate, lace-like foliage plants, that are glad to find themselves in better homes. They grow beautifully in sheltered nooks, and often do well even in sunshine. Once we made a Fern bed on the east side of a close, high fence. For the first summer the Ferns were shaded nicely. We brought new ones from every afternoon excursion, and nearly all of them lived. In the fall it became necessary to move the fence. We thought regretfully of the Ferns, but the leaves were brown now. When summer came again the Ferns were fresh and green, and although the sun blazed on them they grew tall and thick as they do in shady woodland dells.

We have many lovely Ferns here. One is a delicate and beautiful Maidenhair, and it grows in great abundance on hillsides. Another is the evergreen Christmas Fern, with its shining leaves fresh and bright all the winter long. Both of these grow easily and respond readily to kind treatment. A few sprays of Ferns add so much to a vase or bouquet of flowers. A pot of them on the veranda or a bed in a corner somewhere is so easy to take care of, and come year after year with the early spring.

Ellen Frizell Wycoff.

Iredell Co., N. C.

Mesembryanthemum glabrum.

—I have seen the Dew Plant grown in the following manner, and it was very pretty. On a square box about a foot in depth was placed a back made of light strips of wood about one foot high to imitate the back of a chair, then on the two sides a light frame six inches high for the arms. The box was filled with suitable soil—a sandy loam with some leaf mould, and six or eight Dew Plants set in. Plenty of water was given and good drainage was provided, as these plants damp off easily. The plants were trained up the back and over the arms and drooped down over the open front. In a little while the chair was a throne for a fairy queen, all upholstered in living green, tufted with crimson here and there, sparkling with dew gems everywhere.

Powhatan Co., Va. A. R. Corson.

Hardy Primrose.—One of the most satisfactory and pleasing flowers for early spring is the Polyanthus or Primula veris. A border seven or eight inches wide is a beautiful sight with its hundreds of dazzling red flowers with yellow eye. They last several weeks. There is a pink variety that blooms later, also a lovely yellow. My English friends say the yellow is the true Primrose so dear to the heart of the poet.

Ruth.

Mahoning Co., O.

PINKS AND HOLLYHOCKS.

ONE of the loveliest of flowers is the sweet hardy Pink. This Pink, like the Rose, blossoms in June and July. Then, as a rule, the plant becomes an unsightly clump of brown seed pods and yellowing foliage. Now I have in my tiny plot just three clumps of these Pinks, a snow white, a velvety red, and a delicate pink, all very double, and from mulching with manure very strong and thrifty. During their blooming season last year they were a perfect mass of bloom, and I cut freely the lovely, fragrant flowers. But I could neither use nor give away all, consequently the seed-pods began to form. I took my scissors and snipped away every few days until there were no faded flowers or seed pods left. The result surprised me. Those three clumps of Pinks kept right on blooming, and in the fall froze up full of buds and with still a few blossoms. Hollyhocks cut down as soon as through blooming will throw up new shoots and bloom again before frost, and the blooms will be nearly as large as those of spring.

Gilliam Co., Ore.

Evan.

A Pretty Idea.—A lady living in a Chicago flat had an east window opening into an unsightly alley. Once while visiting her she complained about it, and I suggested to her that a few plants in the window would help to beautify it. The next time I visited her she had followed up my suggestion so cleverly that improvement was hardly possible. A window box to fit the window had been made and painted green. It rested upon two iron brackets, and was filled with rich earth. Nasturtiums had been planted in it and trained up to the top of the window upon strings. Common Wandering Jew fell over the box almost to the floor. The window was beautified without obstructing the light.

Georgina G. Smith.

Dubuque Co., Iowa.

Remedy for Aphis and Red

Spider.—Procure one of the little insect powder guns and an ounce or two of Scotch snuff. Give the plants a thorough spraying, wetting the whole plant well, then with the gun dust them well with the snuff, not forgetting that the underside of the leaf is as much in need of the remedy as any part of the plant. The snuff may seem to be an expensive insecticide, but the fact is that the quantity required is so small and the effect so swift and sure that it is really very cheap. Two thorough applications are usually all that are needed. Should any of the snuff get on the soil in the pot it is a good fertilizer. E. L. G.

Rensselaer Co., N. Y., June 16, 1899.

[NOTE.—Doubtless the best use to which snuff can be applied.—Ed.]

ABOUT PERENNIALS.

IT is a matter for congratulation that the public favor has once more been given to the hardy perennials, and this favor is deservedly theirs, as they supply flowers earlier in the year than annuals can possibly do, and that without any especial care after they are once established. Their sturdy roots, sent deep into the ground, are impervious alike to winter's cold or the dry spells of summer which are so fatal to tender annual seedlings. Most perennials are easily raised from seeds, which may be sown in a shaded spot in summer, and transplanted when sufficiently large to their permanent quarters in autumn. One very beautiful perennial which I have repeatedly failed to raise from seeds is *Dictamnus faxinella*, sometimes known as Gas Plant. It grows about two and a half feet high, and has very handsome shiny leaves. The variety usually seen has spikes of purplish-pink flowers, deliciously fragrant. There is also a variety which has pure white flowers, but it is very rare. Another dear old-fashioned favorite seldom mentioned is that known as Garden Heliotrope. It blooms in June, most profusely—great heads of pinkish-white blossoms, sweetly fragrant, and is a favorite for bouquets. It grew in grandmother's garden years ago with white and purple Phlox, blue Spider Lilies, and a handsome plant bearing velvety, bright red flowers something after the manner of Sweet William. By all means let those of us who are in possession of a permanent home see that we are well supplied with this charming class of plants—plants instinctively associated with old home ties, and give us a sense of stability and permanent possession.

Evelyn W. Brooker.

Oneida Co., N. Y., June 28, 1899.

[NOTE.—Indispensables among perennials should be Perennial Peas, Perennial Gaillardia, Perennial Poppies, *Chelone barbata*, Hardy Primulas, *Pyrethrum roseum* and Hardy Verbenas. These are hardy and tenacious, and all are easily grown from seeds. *Dictamnus fraxinella* often germinates well the next year after the seeds are sown.—Ed.]

Bulbs.—Don't fail to plant a bed of Hyacinths and Tulips this fall. You will never regret it,

CARYOPTERIS MASTACANTHUS.

BELONGING to the Verberna family we have a semi-shrubby plant bearing the above name. It grows from one to two feet high, branching freely, as indicated in the engraving, and producing handsome, delicate, light-blue flowers in whorls at each leaf-joint. Planted out a hedge of it is very showy when in bloom during summer and autumn. The plants, however, do not all endure the winter in Southern Pennsylvania, unless well established and in a sheltered place. Even then the more tender branches are destroyed by the cold, and must be cut away in the spring.

The name, *Caryopteris*, means nut-wing, and has reference to the winged, nut-like



CARYOPTERIS MASTACANTHUS.

seed. Florists mostly propagate the plant from cuttings inserted in sand during the summer months. Almost every cutting will start, and the plants will thrive in either the window or garden without special care. The beauty of the plant, and the ease with which it can be grown recommends it to all.

Hydrangea stellata fimbriata.

—This beautiful variety produces its immense trusses of flowers in the greatest profusion. In color they are pure white with a crimson spot in the center. It differs from all other varieties in having each petal beautifully fringed or notched, giving it a novel and attractive appearance.

Floral Park, N. Y.

C. E. P.

WILD VERONICA.

OVER the grassy banks late in the month of April are sprinkled the bright blue blossoms of Germander Speedwell, or *Veronica chamædryas* as botanists term it. The petals of this flower are beautifully penciled with a darker shade of blue, and the anthers are tipped with white. It blooms in spikes, but the blossoms are so short-lived that the lower ones fall off before the upper ones have time to expand. The leaves are dark green, hairy, and cut at the edges. One of the petals is much smaller than the rest, which is a peculiarity common to all of the Speedwell family. We have eighteen wild varieties. The best known are the Ivy-leaved and the common Brook-lime, but the Germander is by far the largest and handsomest. At one time in Sweden and Germany, when Chinese tea was a great rarity, the leaves of a common kind of Speedwell were used as a substitute, and it got the name of "Tea of Europe." There are various opinions concerning the word *Veronica*. Some think it is taken from the Celtic language and means "faithfulness," of which this flower is considered an emblem, but the more general belief is that it is named after St. Veronica, because the blossoms are supposed to bear resemblance to the human face. L. L.

Holt Co., Mo.

Palms from Seed.—I selected the *Filifera* Palm because it is so easily grown. The seeds were planted the first of April in tin cans. First I made three small holes in the can and put in a layer of coarse gravel, then filled it with a mixture of sand, garden soil, and leaf mold or woods earth. The soil must be rich and well drained. I pressed the earth firmly about the seeds and kept warm and moist. I put one seed in a can, for I find it retards growth to repot. Do not expect the seeds to germinate in less than a month. I have several plants from those seeds, and intend to repot them this spring.

Sangamon Co., Ill. Pearle Barnes.

Saponaria ocymoides.—The good points of *Saponaria ocymoides* may be summed up as follows: It grows quickly from seeds, forms a thick, clean border, is evergreen (at least mine stayed green all winter); it transplants easily if one leaves it a part of its roots, and is an astonishing mass of bloom. It is something like pink *Oxalis*, except that one plant of *Saponaria* yields as many blossoms as fifty *Oxalis*. It also roots readily from slips, and never flinches in the hottest, driest weather.

E. B. French.

Gilliam Co., Ore., June 21, 1899.

ITS MISSION.

A little flower looked up to greet the sun,
And seemed to question why its birth and bloom;
A princess of the realm, ere day was done,
Had plucked it for its beauty and perfume.
Suffolk Co., Mass. Lilla N. Cushman.

SOWING SMALL SEEDS.

SOME of our choicest seeds are so very fine that if they are not planted and watered in the most careful manner they will never germinate. My way of growing such seeds is this: Prepare a flower pot saucer of any convenient size, filling it three-fourths full of well pulverized soil, which is slightly moist. Then take a small quantity of fine dry soil, perhaps ten times the bulk of the seeds, mix thoroughly with the seeds to be sown, and scatter over the surface of the soil in the saucer. Press it down firmly to the moist soil, and set the saucer in a larger one of water. This will be gradually absorbed by the porous saucer in which the seeds are planted in sufficient quantity to keep them moist enough to germinate. The water must be renewed frequently, and it is best to use warm water. Treated in this way most of the seeds will grow, and when of sufficient size the seedlings can be transplanted to larger quarters. Some of the plants raised from such fine seeds are so small that one needs a toothpick to take them up with. There is a great fascination for me in raising such tiny plants, and the flowers from such seeds seem of much more importance on account of being the result of such small beginnings.

Winnebago Co., Ill. Marian Meade.

Sweet Peas.—Last year my Sweet Peas were in bloom by the last of June. I dug a trench two feet deep and two feet wide, filled it half full of well-rotted manure, then filled in four inches of soil, planted my seed, and as soon as the little plants were two inches high gave them supports of little twigs, and when they began to vine they had a woven fence to vine on. I had a profusion of bloom, and they were almost no trouble to keep clean and growing.

Geneva March.

Bremer Co., Iowa.

Gladiolus.—I think *Gladiolus* are among the most satisfactory summer-bloomers we have. Give them rich soil, and a sunny location. Plant them not less than five inches deep, and water once in a while with soap suds, and they will delight you with their gorgeous bloom. If you have the different varieties you can plant them all at once, and they will be in bloom for six weeks or more.

Mrs. Kniffin.

Barry Co., Mich., Apr. 17, 1899.

COSMOS.

Cosmos blossoms, waving free,
In the autumn air,
Tell me, do you ever think,
Blossoms white and fair,
As you sway and nod and blow,
That the winter will bring snow,
And your blossoms pink and white
Will be hidden out of sight?

Answered low the Cosmos nodding
On their feathery stalks:
"Yes, we know the winter's coming,
And the garden walks
Soon will be all white with snow,
Summer Roses told us so;
So we'll cheer while yet we may,
Scattering brightness every day.

"We have not much time to scatter
Joy and brightness all around,
So we strive each day and hour
Bright and cheery to be found.
Knowing though we are but flowers
We can brighten dreary hours,
So our colors gay we'll fly
Till the Frost King passes by."

Chau. Co., N. Y.

Belle M Brewster.

AURATUM LILIES.

EARLY last summer I was surprised with a gift of two immense Auratum Lily bulbs. They were a complete novelty to me, and being rather buried I had them planted four or five inches deep, in well-drained but not very rich soil, and well watered through the summer whenever the soil became too dry. This was the only care they had, and although they grew very tall no one in the least expected any blooms from them, the season being so far advanced when they were planted. I went away from home in August and forgot all about the Lilies, until one evening shortly after my return in September someone walked in from the garden and presented me with a tall stem crowned with four superb Auratum Lilies. I had never seen anything like them before, and their exquisite beauty almost took my breath away. The pure white lily chalice with deep yellow bands through the center of each petal surrounded by brownish crimson spots, and flaring so widely that one may see deep into their sweet, mysterious hearts, possess a beauty so eden-like one gazes and gazes at them with an ever-increasing admiration and delight. By changing the water every morning these lovely lilies remained perfect more than a week, filling the rooms with a fragrance so delicious that the first question every new-comer asked was "Where does that delicious odor come from?"

The other Lily threw out buds in October after we had quite given up all hopes of it flowering. One bud was almost fully developed, but fearing to leave them out

through the cold nights we cut off the stem and placed it in water in the house. The large bud soon opened into an enormous lily, fully ten inches in diameter, and more subtly sweet than any Rose in June. It remained perfect for a long time. The other buds, nine in number, much to our regret, dropped off.

After such brilliant success under such adverse circumstances no one need hesitate to plant Auratum Lilies. Every one should plant them, for they are a revelation of such beauty and sweetness as only comes to our notice occasionally, even in our much loved floriculture.

Mary F. Snider.

Wayne Co., Mich.

[NOTE.—Lilium Brownii and L. Takesima both have long, trumpet-shaped flowers, are spotless white in color and mild and exquisite in fragrance. They are hardy, scented Lilies that deserve with the Auratums a place in every garden. The old fashioned white Lily and the Bermuda Easter Lily are subject to a disease which has ruined their usefulness; but the Auratum, Brownii and Takesima Lilies are thus far free from disease, and can be depended upon to bloom year after year.—Ed.]

Balsams in the House.—In the spring of 1897 I planted a package of Balsam seeds in the border, and about a dozen plants reached blooming size, and bloomed in the border for two months, and were fine, no two being alike. About September twentieth a frost threatened to end their beauty, so I concluded to pot them and see if they would bloom in the house. I first soaked the ground around them with water and then lifted carefully into two-quart pails. I set them in the shade for a day or two, and then put in a south window, where they continued to bloom until Christmas, with no care except to water and pinch off faded flowers. They were then still full of flowers and buds, and if they had not frozen would probably have bloomed till spring, as they had not deteriorated in the least.

Mrs. E. J. Middleton.

Wright Co., Iowa.

Milkweed Pods.—The Milkweed produces fragrant waxy flowers and pods filled with fluffy seeds. If the pods are picked in the fall their contents will amuse the babies during the winter months. Children will play for hours with the seeds over a kitchen stove. The heat will carry the fairy-like things up to the ceiling, where they will float and flutter to the great amusement of the children. Sometimes they will tie thread to the seeds, or tie a dozen downy seeds to one thread, and watch the gyrations as they go up. It proves an amusement to the older folks as well.

Georgina G. Smith.

Dubuque Co., Iowa.

FOR THE SICK ROOM.

M^OST persons who grow flowers delight in sharing them with others, and especially with those who are sick. And this is well. But, like everything else, this requires thought. Once when my daughter was very low with fever and we hardly dared hope for her recovery, a dear relative came to see us. Softly she entered the sick room, bringing with her a great, beautiful cluster of pure white Roses. The sick girl closed her eyes, and I—ab, me, I wondered if we should need the Roses! And then I learned a lesson. Never carry such flowers to a sick room. Death seems so near, anyway. Don't bring any reminder. Let the flowers be gay and pretty and sweet, for they can be carried away when the patient is tired. Not long ago I happened to be where a precious life hung in the balance. All the dear ones were excluded from the sick room. Outside friends were anxious and full of sympathy. Basket after basket of choice flowers were sent in and with each one a new sense of grief was brought to the waiting family. Almost I wanted to throw the pretty flowers in the street. "It seems as if he were already dead!" And it really did, and the friends who wanted to lighten the grief really added to it. Be careful at such times. Mary Wilson.

Iredell Co., N. C.

NARCISSUS IN THE GARDEN.

V^ERY few plants are capable of giving greater satisfaction in the hardy flower garden than the many exquisite varieties of Narcissus. It is impossible to even name the almost endless succession of sorts, many of which show variations which only a botanist would recognize. Nor can any lists of kinds be given which could be depended upon to do well in widely separated localities. Experiments will best show what varieties are adapted to various places, some sorts requiring a more equable temperature than others, while some kinds seem to require the sea-breezes to kiss them into full beauty. The above may give the impression that Narcissi are difficult to succeed with, but such is not the case. Once ascertain what varieties are suited to your situation and soil, plant only those, and they will take care of themselves, increasing in number and beauty year by year. Tender associations will gather about the clumps of verdure, and the Narcissi will become family treasures, dearly loved and long remembered.

Narcissi require a rich, sandy loam with good drainage, as do also nine-tenths of the plants we cultivate, except those whose habitat is the swamp. It has been my experience that manure should be sparingly used about Narcissi, unless it is old and thoroughly decayed, and well incorporated with the soil. I find it expedient to raise and re-set them about once in three years. A mulch in late autumn is beneficial. Transplanting should be done as soon as the foliage has died down.

The king of all Narcissi is the Horsfieldii, and where it succeeds leaves nothing to be desired in the way of beauty and fragrance. The pure white perianth and great golden corona make up a marvel of loveliness. Princeps is also very desirable. The Poeticus and Polyanthus sections bloom later than the above mentioned sorts, coming into flower before the former are entirely gone. They are deliciously-scented, and every one of the almost innumerable sorts is exquisite. The double Daffodil, *N. poeticus plenus* is charming, and the orange and sulphur Phoenix should not be overlooked.

Mrs. W. A. Cutting.

Middlesex Co., Mass., June 26, 1899.

Madeira Vine Awning.—One spring my mother planted a Madeira tuber out in the ground at the east side of our home. By midsummer the vine had climbed on strings up one side of the first story window to the second story, and across the second story window three or four times in a zigzag way to the eaves. Then the branches spread out and hung down over the sides like an awning, and excluded both bright sunshine and driving rain. Although growing so rapidly the vine was neither rank nor coarse. Its cordate, light green, waxy leaves were not molested by any insect. From July until frost its small sweet-scented flowers were borne in feathery racemes at the tips of numerous branches. Our Madeira awning attracted a good deal of attention, and was much admired.

A. Miner.

New London Co., Conn.

Trouble with Asters.—I have had a little experience with the Aster trouble described in June, 1899, MAGAZINE. A very experienced English gardener living here says it is caused by an insect which stings the flowers and poisons the whole plant. He says he has grown Asters for exhibitions in Canada by putting netting around the buds.

Geo. S. Woodruff.

Buchanan Co., Iowa.

Forming Roots.—From four to six weeks is hardly long enough for well-formed roots on winter-blooming bulbs. There is disappointment, perhaps, when persons are too impatient to see the bloom. For Roman Hyacinths this may be long enough, but with the Dutch Hyacinths I have better success by waiting longer.

Beaver Co., Pa.

Aunt Susie.

THE SWEET CLOVER.

There's a farm house old, deserted,
 Beneath a pine-capped hill,
 Where Sweet Clover guards the dwelling,
 And wild bees come at will;
 And she lifts her slender fingers,
 Pointing to azure skies,
 And asks of Mother Nature
 "Oh, where is Paradise?"

"You have wreathed me with sweet blossoms,
 And gown of fragrant green,
 And I wake from winter slumbers
 To come forth, though unseen
 Are the loved ones who watched o'er me
 In years long since gone by,
 And the poplars tall are sighing
 'Frail mortals, too, must die.'"

"But I've heard the wild birds' message
 They bring in bursts of song,
 And the legends winds are telling
 As the seasons pass along,
 That you give to weary mortals
 Deep sleep, from which they rise
 And wake in flowery kingdom
 Of far off Paradise."

Merrimack Co., N. H. Ray Laurance.

STARTING SLIPS.

MANY people do not know that the Chrysanthemum can be grown from slips. Bring the pots from the cellar in February or March, water and set in a sunny window. The new shoots will appear in a few days. When they have made a growth of three or four inches cut the new growth off and use as slips. Put them in a pot of sand and set in a warm, sunny window. When rooted pot in small pots in garden soil. The first of June repot in larger pots and sink in the ground in a sunny spot, being careful to give each pot room to grow without shading its neighbor. Stake well, so that the wind will not break or bend them out of shape. Keep nipping off the ends of all branches till the first of August, then cease. The middle of August lift and repot, and set in a shady place. When the buds begin to appear nip off some of them, as the ones that are left will be far nicer. The Ten Weeks' Stock may also be propagated from slips in much the same way, always being careful to use the new or tender shoots. The Stock requires a rather small pot, and the roots should become pot-bound to get the best results. Be careful not to over-water, or a sick plant will be the result. The English Wallflower can also be started from slips, and will bloom the first year, while from seeds it does not bloom the first year. Verbenas may also be started from slips, and if one will attend to this slipping early in the season they may have a fine lot of plants to bloom the next winter.

Geneva March.

Bremer Co., Iowa, Mar. 20, 1899.

PLANTS FOR SHADY PLACES.

INQUIRIES are often made as to what plants will do well in the shade of trees or buildings. If there were more plants that would thrive without direct sunshine many unattractive and barren spots would be rendered attractive, but unfortunately this class of plants is somewhat limited. It is almost useless to expect any flowers in entire shade, but if the sun has access for two or three hours each day several plants will do well. In the shade of trees the soil must be kept thoroughly enriched, for the roots of the trees rob the soil of the nutriment necessary for the plants. For this reason various kinds of plants will do well in the shade of buildings, but will not thrive beneath trees. Fuchsias thrive well without much sun if the soil is rich and friable. They like an hour or two of morning sun, and if they can have it they bloom freely. Pansies will bloom without very much sunshine. Lilies of the Valley and Forget-me-nots will also bloom in such situations. Lobelias, too, do well in partial shade.

But more satisfactory for such situations perhaps than any flowering plant which may or may not bloom according to circumstances are several varieties of pretty trailers and lovely foliage plants. The various Achyranthus, Coleus, Cannas, Caladiums and the gray-leaved Cineraria are all fine, and will give much satisfaction. Nepeta glechoma, the Tradescantias, the old-fashioned Myrtle, and many of our native plants whose habitat is the woods will spread a carpet of living green over unsightly and barren shady places.

The best plant for shade is the Fern in its many lovely and graceful varieties. Many of our native species are well worth of cultivation, some of the more delicate varieties giving a most exquisite effect. With these may be planted many native wood plants. No one who truly loves plants need be without them when Nature has been so lavish with her gifts in every place.

Mrs. W. A. Cutting.

Middlesex Co., Mass., July 1, 1899.

NOTE.—That exquisite native vine, Adlumia cirrhosa, will thrive and bloom admirably in a densely shaded place. It is a biennial, and should be started from seeds during the season previous to that in which it is to bloom.—Ed.]

Lilium auratum.—Last June I received two large bulbs of *Lilium auratum* and planted them eight inches deep, in a box in good garden soil. In October there were nine enormous Lilies, and they had such a delightful fragrance! No other flower equals them.

E. Frances E.

Allegheny Co., N. Y., Apr. 25, 1899.

PERENNIALS.

IF I were limited to one dozen hardy flowering garden plants my choice would by all means be the following: Bleeding Heart, Ragged Robin, Bee Larkspur, Veronica spicata, Gaillardia, Golden Glow, Platycodon, Scarlet Phlox, Hyacinthus candicans, Perennial Pea, Helianthus multiflorus and Anemone Japonica alba. I consider this group as especially desirable, inasmuch as all have long blooming periods, and are generally free from insect pests. Furthermore, I would have something in bloom continuously, but, of course, no great showing at any one time. There may be other plants equally desirable, but these impress me most, as my experience with them has been most satisfactory. I cannot understand how any person interested in flowers can be satisfied with annuals alone, or such plants as die out in the fall unless potted. There is something so real and tangible in perennials, for the reason they are always there, and what a comfort it is to go into the garden in early spring and see green shoots and buds of these plants appearing above the earth. But if the garden is composed of annuals and tropical plants alone there is nothing to look at in spring except an ugly bare place. The prevailing idea that it is impossible to have flowers the whole season without making use of annuals and tropical plants is a decided mistake, but a garden where perennials, annuals and tropical plants are happily blended is, of course, the most complete.

Erie Co., Pa.

E. H. Norris.

Scilla Clusi.—This pretty bulbous-rooted plant is also listed under the name of *Scilla Peruviana*, and is popularly known as Peruvian Hyacinth and Cuban Lily. It is not a native of Peru, as its common name would indicate, but of Spain and Italy, and although catalogued as a hardy bulb it is not reliably so. It is a most excellent bulb for growing in the window garden, on account of the large clusters of flowers which are so freely produced, as well as the great length of time they remain in perfection.

Chas. E. Parnell.

Floral Park, N. Y.

Phrynum variegatum.—The new *Phrynum variegatum* makes a lovely plant. It is striped and mottled with white in a curious manner. I raised mine from a bulb which was the size of a small *Gladiolus*. It is now two feet high, and throws out leaves rapidly. It requires plenty of water, a daily showering being none too much. Mrs. L. W. Baldwin.

Kent Co., Del.

ECHINOCACTUS.

THE various species of *Echinocactus* are widely distributed, being natives of Mexico and parts of South America. There they are found in arid, rocky places where there is very little soil for the roots. Exposed to a high temperature in the summer and a much lower one in the winter, some endure frost and snow with so little injury that they might reasonably be termed hardy. One of my favorites is the *Echinocactus horizonthalionius*, so named on account of the heavy ribbed spines that meet and interlace around the top of the plant. It seems wonderful how the beautiful silvery pink flowers can escape being torn by the great, needle-like spines. Who but our Creator in His all-wise mercy could have placed the little tuft of soft, silky wool so that it pushes the sharp spines apart and lets the lovely flower come out unscathed? *E. Whipplei* is a comparatively rare *Cactus* and not much seen in collections. It is globular in shape, with thirteen ribs somewhat tubercled. In color the spines are shaded from white to brown. The flowers are about an inch long and greenish-red in color. The fruit is one-half inch long, green, dry, and contains black seeds. My specimen came from western Colorado, and it is quite hardy. It also grows in the desert regions of Utah.

Ida Belmer Camp.

Tuscola Co., Mich.

The Wood Anemone.—Perhaps among the many fresh and beautiful flowers of spring not one is more worthy of notice than the wild *Anemone* of the woods, with its graceful white blossoms penciled with delicate purple lines, and its drooping buds quivering on their slender stems. The leaves are deeply cut and of a smooth dark green veined with a tinge of crimson. It is called *Windflower* by some of the old poets, and our English name is taken from the Greek word "anemos," or wind. Whether it is because it blooms in March, usually a stormy month, or that its petals are so light and delicate as to be easily ruffled by the wind it is hard to say.

Holt Co., Mo.

L. L.

Planting Paeonies.—Fall, early or late, is the time to plant *Paeonies*. Spring planting is practiced by many, but my experience favors the former. It takes a year or two for all sorts to become established, and the flowers at first are limited and small. Depend upon it, that when the plant is once well rooted it may live and bloom a hundred years. What plant can give a better record?

Ashtabula Co., O.

J. F. Bucher.

A EUROPEAN TRIP.

LETTER NO. 22.

After our stop at Brunig Pass we enter cars and begin the steep descent into the deep, narrow Aare valley. The engine is arranged for the grade by having the boiler elevated in front, and a cog gear fitting the central or cog rail of the track. We have gone but a little distance until the valley opens to our view, and from the jagged, bleak, white peaks the eye glances down over the rugged, cliffy heights where the melting-ice-stream "slides" for several hundred feet, then bounds over a precipice and is dashed into a foam and rising mist far below, passing thus till it reaches the calm lake in the valley. Then the



Giessback Falls.

ripening grain and pasture fields, the lake, river, canal, orchards, shade trees and winding, well-kept roadways, claim our admiration. Here we have at a glance winter and summer, with the beauty of the intermediate season as well. Lost in admiration one can but look and look, and wonder and wonder! As we pass downward the air becomes cool and moist and bracing, and the evening sun casts dazzling reflections from the great ice caps far above. We pass a herd of brown goats grazing upon the steep mountain

pasture land, and note the quaint log huts of the herdsmen. At last we reach Meiringen and change to cars on the valley road. Here we are besieged by women offering little baskets of fruit at 25 cents each. I purchased one, and this is what was in it: six plums, one apple and one pear. The basket was a curiosity, being made of twigs and bits of bark and wood. The fruit was of poor quality. It appeared much better than it tasted, as graceful sprays of leaves decorated the basket. We now pass along the river on bankment to the lake, enjoying grand views of waterfalls, glaciers and mountain cliffs, until the steamboat pier is reached, when we leave the cars and journey by steamboat. The mountains now come to the water's edge in a steep, wooded slope, and further up are pasture fields with the herds grazing, and the queer, hooded homes of the herdsmen, fixed upon the steep mountain sides.

Yonder is the Giessback Mountain House, built upon a rocky cliff, with a steep hydraulic railway running to the lake station. This is a famous summer resort. And, do you see, just beyond, the dashing mountain stream leaping—down, down, down, until the foaming waters mingle with those of the blue lake? That is known as Giessback falls, and fills every beholder with wonder and admiration. What a wild, picturesque scene! What food for thought and reflection. But now in the dusky twilight we see beyond a little rocky island the entrance to a ship canal, with Interlaken in the distance. Shortly a landing is effected, and we are soon enjoying the delightful atmosphere and mountain scenery upon the veranda of one of the numerous big hotels for which the place is noted. A picture of the village and mountains will be given with our next letter.

Geo. W. Park.

CORRESPONDENCE.

Mr. Park:—I like your Magazine, and as I read it I mark what is said about such plants as I have. I have nearly three hundred plants—all in pots or cans, as I have not a foot of ground that can be used as a garden. I have some two dozen different kinds of Geraniums. They do so well in pots or cans.

H. L. A.

Mercer City, Mexico, Apr. 8, 1899.

Cosmos.—Mr. Park: I got a packet of Cosmos seeds with my Magazine premium. I planted five in a pot as a test. They were in bloom in one month from the time of sowing the seeds. The colors were purple, pale yellow (almost white) and pale pink.

J. C.

Ont., Can., Feb. 23, 1899.

Mr. Park:—The premium plants I received from you two years ago all grew nicely. The Nicotiana, which was a substitute, was entirely new to me. When I took the plant out of the package I felt disappointed and provoked, and said to friends who were present "I wonder why Mr. Park didn't send me a Mullein plant. I am sure they look quite as well." But when my plant bloomed the latter part of August I was almost sorry I had not left the selection entirely to you. I can't express the pleasure I derived from that plant. I let it rest the next winter, and last summer it was a thing of beauty and fragrance.

Mrs. M. E. Sheppard.

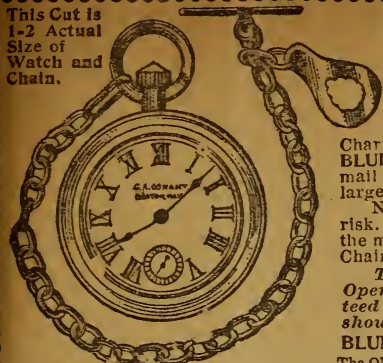
Catahoula Par., La., May 12, 1899.

Mr. Park:—I raise many beautiful plants from seeds furnished by you. Last year my Pansies were a failure by my own fault. I attempted to raise them the third year in the same bed, and find I can't do it. I have a lovely Heliotrope and an Acacia raised from seeds, both fine plants, and some beautiful Carnations, two of which are in bloom. I kept them in a cool room, and the blossoms have been perfect nearly four weeks. I appreciate what the sister says in the Magazine about flower beggars. I always give if I have any to spare, but I hate to call on my friend some day, and find that she has planted her Lobelia and Petunia seeds in the garden and covered them as deep as her husband did his corn. We are delighted with your Magazine, and think it the best one we read. I have all the numbers since 1894.

Louise J. Roberts.

Penobscot Co., Maine.

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Chain.



Watch and Chain FOR ONE DAY'S WORK.

We send this Nickel-Plated Watch, also a Chain and Charm to Boys and Girls for selling 1½ dozen packages of **BLUINE** at 10c. each. Send your full address by return mail and we will forward the Blaine, postpaid, and a large Premium List.

No money required. We send the Blaine at our own risk. You go among your neighbors and sell it. Send us the money that you get for it and we send you the Watch, Chain and Charm, prepaid.

This is an American Watch, Nickel-Plated Case, Open Face, Heavy Bevelled Crystal. It is Guaranteed to keep Accurate Time, and with Proper Care should last ten years.

BLUINE CO., Box 386, CONCORD JUNCTION, MASS.
The Old Reliable firm who sell honest goods and give valuable Premiums.

GOSSIP.

My Flowers.—I have eight Tuberous Begonias. One, a single dark red is in bloom, and the flowers are larger than a silver dollar. There are buds showing on the white, pink, yellow and two more reds. No two plants have leaves alike. My bed has a border of Pansies first, then English Daisies, both now in full bloom. Altogether, that corner is a "thing of beauty." The pots are partly sunk in the ground. The end of the porch is covered with Japanese Morning Glories, and the plants only get the evening sun, but it seems to suit them. When it don't rain for a while I use the sprinkler, and I do not think the ground has been dry this summer. The Cactuses grow so fast. They will be more than twice as large as they were in the spring. On the east side of the porch is my flower stand, and Ferns, Fuchsias, Gloxinias, Geraniums, Heliotropes, and a large variety of flowers get only the morning sun, but how they grow and bloom. I surely have an ideal place for flowers. Mrs. M. A. Bucknell.

Madison Co., Ill.

SWAMP-ROOT is not recommended for everything, but if you have kidney, liver or bladder trouble it will be found just the remedy you need. At druggists in fifty-cent and dollar sizes. You may have a sample bottle of this wonderful new discovery by mail free, also book telling all about it and its great cures. Address **DR. KILMER & Co., Binghamton, N. Y.**



Cabled Field and Hog Fence,

24 to 53 inches high; Steel Web Picket Lawn Fence; Poultry Garden and Rabbit Fence; Steel Gates, Steel Posts and Steel Rails; Tree, Flower and Tomato Guards; Steel Wire Fence Board, etc. Catalogue free. **DEKALB FENCE CO., 148 High St., DeKalb, Ill.**

WALL PAPER

Send for free sample book of beautiful designs direct from manufacturers and save 25 per cent. Agents Wanted.
KAYSER & ALLMAN,
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PANTS AT HALF PRICE



At \$1.00, \$1.50, \$2.00 and \$2.50

We shall close out our entire stock of Men's Fine Made-to-measure Pants, which we cut and made to measure at \$2.00, \$3.00, \$4.00 and \$5.00 in competition with pants that tailors furnish at \$3.00 to \$10.

MAKING OVER 1,000 PANTS DAILY, measure errors creep in and some misfit pants accumulate, and to keep our stock clean we close them out at \$1.00 to \$2.50, less than cost of cloth alone. A big loss to us.

SEND NO MONEY Cut this ad. out and send to us, state pants wanted by letter, color wanted, give your Height, Weight, number of inches around body at Waist, around body at Hips, and length of leg inside seam from thigh to crotch to length.

We will select pants nearest your exact measure, re-cut and re-tailor them to your exact size, send to you by express **C. O. D.**, subject to examination, you examine them and if found perfectly satisfactory, genuine tailor made, the same as if first made to your own measure, perfectly trimmed, sewed and finished.

exactly one-half our lowest price, and less than one-third the price charged by tailors. Pay the express agent our special close-out price and express charges.

LOT M1. THESE PANTS AT \$1.00 are made from good weight cassimeres and worsteds and are regular \$2.00 goods.

LOT M2. THESE PANTS AT \$1.50 from special pants worsteds and cassimeres were made to measure at \$3.00 in competition with pants that tailors get \$4. to \$5. for.

LOT M3. THESE PANTS AT \$2.00 from high grade imported worsteds and cassimeres pants fabrics we never sold at less than \$4.00 and tailors get \$7.00 and upwards.

LOT M4. THESE PANTS AT \$2.50 made-to-measure by us at \$5. from the very finest special imported pants fabrics in cassimeres and worsteds such as tailors get \$5.00 to \$12.00 for.

YOU TAKE NO RISK and **SEND NO MONEY** if you don't find them re-cut your measure, exactly the same as if you ordered them at double the price, and such value as you never before saw or heard of, then don't take them.

Order today. **SEARS, ROEBUCK & CO., (Inc.), Chicago.**

(Sears, Roebuck & Co. are thoroughly reliable.)

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LEARN A PROFESSION in 10 days that will net you \$25 a day the rest of your life. Ladies or gentlemen. Address with stamp, **PROF. S. A. WELTMER, Nevada, Mo.**

***7 PAID** Pay and Expenses for distributing samples of medicine. Send 10¢ stamp for letter. A. W. COTT, Cohoes, N. Y. **ALSO** 100 10 million circulars for dist. in cities and towns.

Coe's Eczema Cure Large sample mailed free. COE CHEM CO., Cleveland, O.

\$100 IN GOLD FREE.

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I	N	N	N	O	O
O	R	S	T	W	X

BRAINS COUNT

We will give \$100.00 in Gold to anyone who will arrange the twenty-two letters printed above into four names denoting four well-known ships of the United States Navy during the Spanish War. Remember, we do not want one cent of your money. There is only one condition, which will take less than one hour of your time, which we will write you when your letter containing your solution is received. In making the four names, the letters can only be used as many times as they appear, and no letter can be used which does not appear. After you have found the four correct names you will have used every letter in the twenty-two exactly as many times as it appears. The money will be paid October 15th, 1899. Should more than one person succeed in finding the four correct names, the \$100.00 will be equally divided. We make this liberal offer to introduce one of the most charming and interesting family 96 to 144 Column illustrated monthly magazines to as many families in the United States and Canada as possible, where it is as yet unknown. This magazine is carefully edited, illustrated and filled with the choicest literary matter that the best authors produce. Try and Win. If you will make the four names and send them to us at once, who knows but that you will be correct? Anyway, we do not want any money from you, and a contest like this is very interesting. As soon as we receive your answer we will at once write and notify you if you are correct. We sincerely hope you will as we shall give the \$100.00 away anyway. Do not delay. Write at once. Contest Dept. P.

RIGLEY PUBLISHING CO.,
166 Oliver St., Boston, Mass.

PUBLISHER'S NOTICES.

Pansies.—August is a good month to start Pansy plants for spring-blooming. The young plants are always hardy and thrifty. They come into bloom early in spring, and rival the bulbous plants in elegant and gorgeous display. Be sure to order and sow a collection of choice Pansy seeds this month.

Hyacinths and Tulips.—As a rule it is well to order your bulbs of Hyacinths and Tulips early. You will then get what you want, and have them on hand when you wish to plant. Owing to a bulb trust in Holland, and the restrictions of the tariff laws, the bulbs cost the dealer much more than in previous years, and will doubtless be higher in price. But even though more expensive the ease with which hardy bulbs may be grown in the window, and the certainty and the gorgeous display of the bloom make them indispensable, as the yield of showy flowers for the outlay surpasses that of almost any other class of plants.

The Editor's Portrait.—Agreeable to the expressed wishes of a host of the readers of the Floral Magazine the Editor's portrait will appear in an early issue.

LADIES

Write to-day for a FREE sample of ALLEN'S FOOT-EASE, a powder to shake into your shoes. It makes tight or new shoes feel easy. Cures Corns, Bunions, Aching, Swollen, Smarting, Hot, Callous, Sore and Sweating Feet. Allen's Foot-Ease keeps the feet cool and comfortable. 30,000 testimonials. All Drug and Shoe Stores sell it, or by mail, 25c. Address for sample, Allen S. Olmsted, Leroy, N. Y. Lady Agents wanted everywhere.

HAIR SWITCH 65 CENTS.

WE SELL HUMAN HAIR SWITCHES to match any hair at from 65c to \$3.25, the equal of switches that retail at \$2.00 to \$5.00.

OUR OFFER: Cut this ad out and send to us, inclose a good sized sample of the exact shade wanted, and cut it out as near the roots as possible, inclose our special price quoted and 5 cents extra to pay postage, and we will make the switch to match your hair exact, and send to you by mail, postpaid, and if you are not perfectly satisfied, return it and we will immediately refund your money.

Our Special Offer Price as follows: 2-oz. switch 20-in. long, long stem, 65c; short stem, 90c; 2-oz. 22-in. long, short stem, \$1.25; 3-oz. 22-in. long, short stem, \$1.50; 3-oz. 24-in. long, short stem, \$2.25; 3½-oz. 26-in. long, short stem, \$3.25. WE GUARANTEE

OUR WORK the highest grade on the market. Order at once and get these special prices. Your money returned if you are not pleased. Write for Free Catalogue of Hair Goods. Address,

SEARS, ROEBUCK & CO. (Inc.) Chicago.

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\$45 Arlington Machine for.....\$14.50
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If you suffer from Epilepsy, Fits, Spasms, Spells, Falling Sickness, St. Vitus's Dance, etc., have children, relatives, friends or neighbors that do so, or know people that are afflicted my New Discovery, Epilepticide, will PERMANENTLY CURE them, and all you are asked to do is to send for a FREE Bottle and try it. It has CURED thousands where everything else failed. My 90-page Illustrated Book, "Epilepsy Permanently Cured," FREE. When writing, please give name, AGE and full address. All correspondence professionally confidential

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MENTION PARK'S FLORAL MAGAZINE

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Cooks a whole meal over 1 burner, on gasoline, oil, gas, or common cook stove.

Reduces Fuel Bills One-Half.

Makes tough meats tender. Prevents steam and odors. Whistle blows when cooker needs more water.

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are these beautiful waist or skirt Pins. We send set of 3 Gold Plated Engraved Pins just like cut also 25 pieces pretty Silk Remnants for Quilts, etc. and 1 yd. Silk Ribbon, all for 10 cents. Address: H. C. BUCHANAN & CO., Dept. B, 58 Ann St. New York

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SUPERFLUOUS HAIR REMOVED

I have the right treatment for the removal of undesirable hair from neck, face, arms, etc. Hair may be kept off permanently. I am a regular physician of long and successful experience. Will send treatment to you privately at your home and guarantee results. When all other remedies fail write me (enclosing two stamps) and I will convince you, sending you brochures and private letter in plain sealed envelope. Add res: Mrs. ANNA D. CROSS, M.D., No. 3 W. 20th St., NEW YORK CITY, N.Y.

When answering the above advertisement please mention Park's Floral Magazine.

CORRESPONDENCE.

Costs You Nothing to Try It.

THE NATURAL BODY BRACE

Cures Female Weakness, Restores Health and Vigor.

Curtis, Miss., Sept. 1, 1898.

"The Brace I purchased of you 2 years ago did all that you claimed for it. It cured me of the worst forms of female weakness—falling womb, ovarian troubles, headache, bearing down pains, constipation, inflammation and other things of 20 years' standing. I can never say enough in praise of it. Mrs. Susie Woodard."

Money Refunded if Brace is not Satisfactory. Send for full information and book mailed free in plain, sealed envelope.

THE NATURAL BODY BRACE CO.

Box 196, Salina, Kansas.

Every pregnant woman should have this Brace.



Too Fat

We will send full information about how to make a simple herbal remedy at home to reduce your weight, and also a sample box securely sealed, in a plain wrapper, free by mail to anyone sending 4 cents for postage, &c.

Costs you nothing to try it. Ad. HALL CHEMICAL CO., D. L. Box, St. Louis, Mo.

FAT-FOLKS Sauerberties, N. Y., Feb'y 24, '97. "I lost 26 pounds in 28 days." Miss Phila., Pa., Jan. 15, '97. "I have reduced from 235 to 190 lbs. in 3 months." Mrs. —. Reduce your weight. No dieting or purgatives. Harmless, and endorsed by physicians. 16 days' treatment sent free to every earnest sufferer. Dr. E. K. Lynton, 19 Park Place, New York.

LADIES I Make Big Wages

—AT HOME— and will gladly tell you all about my work. It's very pleasant and will easily pay \$18 weekly. This is no deception. I want no money and will gladly send full particulars to all sending 2c. stamp. MRS. A. H. WIGGINS, Box 23 Benton Harbor, Mich.



AGENTS WANTED! We furnish samples free to agents. F. S. Frost Lubec, Me., sold \$132.79, retail, in 6 days. Write for Catalog, new goods, rapid sellers, Richardson Mfg. Co., 2nd St., Bath, N.Y.

Salary \$780 and Expenses Straight, bona fide, paid travelworthy persons Monthly to trust for responsible, reliable house. Reference. Enclose self-addressed, stamped envelope. THE DOMINION COMPANY, Dept. B24, Chicago.

WANTED LADY AGENTS for M'CABE CORSETS and FINE UNDERWEISTS. Popular and fast selling. St. Louis Corset Co. St. Louis, Mo.

Agents Wanted—For "the Life and Achievements of Admiral Dewey," the world's greatest naval hero, by Murat Halstead. Only \$1.50. Outfit free. National Pub. Co., 5 & 6 Washington St., Chicago.

CASH for acceptable ideas. State if patented. THE PATENT RECORD, Baltimore, Md.

ASTHMA SURE CURE. Trial package free. Dr. W. K. WALRATH, Box P. Adams. N. Y.

FLAT FOOT Positively cured. Plain feet made beautiful. Either sex. Particulars free. Dr. E. T. STEVENS, Buffalo, N. Y.

Mr. Park:—I think all subscriber ought to save their Magazines; if they did it would save you many questions. I am trying to raise Cinerarias for the first time. I kept tobacco stems on the soil, but the aphids got on them. I took the back numbers down, and found cut that I could wash the leaves with tobacco tea. That was what I needed to do, for they are free from lice and as nice looking plants as one could wish. I am anxiously waiting for the bloom.

Franklin Co., Mass.

Lillie J. White.

Mr. Park:—I have had your Magazine several years, and it is a whole compendium of botanical information. Really, it seems that you answer without ever hearing it every question about the care of flowers that I ask myself. I have saved and had bound all the numbers I've received, and, of course, they must needs be worth something to have that care taken of them.

R. M. Flagg.

Middlesex Co., N. J., May 18, 1899.

Health for Ten Cents.

Cascarets make the bowels and kidneys act naturally, destroy microbes, cure headache, biliousness and constipation. All druggists.



THE Kola Plant CURES ASTHMA AND Hay-Fever.

Free. The African Kola Plant is Nature's Positive Cure for Asthma and Hay-Fever. In the

short time since its discovery this remarkable botanical product has come into universal use in the Hospitals of Europe and America as an unfailing specific cure for every form of Asthma. Its cures are really marvelous. Rev. J. L. Combs, of Martinsburg, West Virginia, writes to the *New York World*, February 9th, that it cured him of Asthma of thirty years' standing, and Mrs. E. Johnson, of No. 417 Second St., Washington, D. C., testifies that for years she had to sleep propped up in a chair in Hay-fever season, unable to lie down night or day. The Kola Plant cured her at once. Mr. Alfred C. Lewis, editor of the *Farmer's Magazine*, of Washington, D. C., was also cured when he could not lie down for fear of choking, being always worst in Hay-fever season. Many other sufferers give similar testimony, proving it truly a wonderful remedy. If you suffer from Asthma or Hay-fever, in order to prove the power of this new botanical discovery we will send you one large case by mail entirely free. All we request in return is that when cured yourself you will tell your neighbors about it. It costs you absolutely nothing. Send your address to The Kola Importing Co., No. 1164 Broadway, New York.

CANNING VEGETABLES.

Corn, Beans, Tomatoes are easily canned and keep like fresh. Fruits canned without cooking. Perfect form and flavor. Best cider and wine keeper. Pickles do not shrink or mold. Endorsed by leading doctors and 12 State Fairs. Send to-day. 10c. worth will do several qts. of canning. Agents wanted. Amer. Woman's Canning Process, 322 S. Mech. St., Jackson, Mich.

EXCHANGES.

NOTICE.—Each subscriber is allowed three lines one time in twelve months. Every exchange must be wholly floral. Insertion not guaranteed in any certain month. Right reserved to exclude any exchange, or cut it down as the exigencies of space demand. All lines over three must be paid for at advertising rates. All letters received should be answered in order to avoid misunderstanding and dissatisfaction.

Mrs. A. Rhoads, Westtown, Pa., has white Lilac, yellow Jonquills, Tuberoses and Gladioli to ex. for Fuchsia, Tulips, purple Dahlia and other plants.

Mrs. Sade M. Jones, Flat Rock, Ill., will ex. hardy plants, Lillies and bulbs for Heliotrope, Chinese Primrose, or any winter-blooming or foliage plants.

Miss Ella Ryan, Weller, Iowa, has Hollyhock, Flowering Currant, Lilac and hardy vines to ex. for Snowball, Chrysanthemums or hardy shrubs.

Mrs. D. B. Woolley, 14 Park St., Medford, Mass., has slips of Ivy Geranium, double Begonias Spotted Calla, etc., to ex. for house plants; write first.

Mrs. M. Tubb, Centerville, Tex., will ex. flower seeds, bulbs, vines and shrubs for hardy shrubs and vines and Geraniums and Rhododendrons; send list.

Mrs. M. A. Peters, Belton, Texas, will ex. Oxalis bulbs for Amaryllis Johnsonii; write or send.

Miss A. L. Rice, Concord, Neb., has slips of Pineapple Geranium and Begonia Weltoniensis to ex. for Ferns or house plants.

Mrs. Dora Berry, Livia, Ky., will ex. native Ferns for Cacti and other house plants; send.

Mrs. L. B. Johnson, 1720 S. Elm St., Muncie, Ind., has bulbs, plants and Cactuses to ex. for Old Man Cactuses.

Mrs. C. E. White, 139 Market St., Santa Cruz, Cal., has flowering and Rex Begonias and native Ferns to ex. for native Ferns and Orchids of other States.

Mrs. Annie E. Davidson, Terry, Miss., has named Cannas, choice Lilies and Crinum ornatum to ex. for Dahlias, Lillies, Peonias or other plants.

G. C. Bachelor, Dothan, Ala., will ex. Cacti for Cereus, Echinocereus, Pilocereus and Echinocacti; send list.

Mrs. S. G. Smith, South Middleboro, Mass., will ex. Lemon Lily bulbs for Hoya carnosa and rooted Lady Washingtons or Pelargoniums.

Mrs. C. H. McPheeters, Texarkana, Texas, has wild Passion vines and Crape Myrtle to ex. for anything not in her list.

Arthur Moss, So. Newfare, Vt., has Plumbago capensis alba to ex. for Phlox Drummondii.

Jas. Tramor, Strongville, Ohio, will ex. Sword Fern, Maidenhair Fern and Perennial Phlox for Chinese Sacred Lily bulbs, Water Hyacinths, etc.

Lena Hutcheson, Earlham, Iowa, will ex. double Petunias and double Geraniums for Dahlias, Gladiolus, Calla Lilies and Cannas.

Ed. H. Richl, Alton, Ill., will ex. choice plants, vines, seeds and bulbs for choice Peonies, etc.; ex. list.

J. W. Prewitt, Thomson, Ky., will ex. anything in his collection for a plant of Comptonia asplenifolia, Sweet Fern.

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Abutilon, Anna, veined.	Leslie Ward.	Gloxinia, in variety.	Paeony, Chinese, in variety.
Eclipse, trailing.	Major Bonifon.	Golden Rod, Solidago.	Palm, Kentia balmoreana.
Golden Bells, yellow.	Maria Louise.	Goodyera pubescens.	Panicum variegatum.
Mesopotamicum, trailing.	Miller's Crimson.	Habrothamnus elegans.	Pansies, young plants.
Variegatum.	Minerva.	Helianthus tuberosum.	Parsley, moss-curbed.
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Agathaea, Blue Paris Daisy.	Cineraria hybrida.	Hibiscus, Chinese, choice	Petunia, double, fringed, in
Ageratum, blue or white.	Maritima (Dusty Miller.)	named, great variety.	variety, named.
Althea, double; white, blue,	Cinnamon Vine.	Syracus (Althea.)	Phalaris arundinacea.
red or variegated.	Cissus heterophylla.	Crimson Eye, hardy.	Phlox, perennial, white.
Aloysia, Lemon Verbena.	Discolor.	Hollyhock, double, to color.	Maculata, red.
Alyssum, double, white.	Coccoloba platyclada.	Honeysuckle, Hall's hardy.	Pink, Cyclops.
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Arabis alpina, fine edging.	Conoclinium celestinum.	Iris, Dwarf German.	Pomegranate, Jas. Vick.
Aster, perennial, blue.	Convolvulus Mauriticanus.	Tall German.	Poppo orientale.
Asolepis tuberosa.	Ceroeopsis lanceolata.	Kampferi.	Pottosporum tobira.
Incarnata, red-flowered.	Coronilla glauca.	Iberis Gibraltarica.	Primula, Veris, gold-laced.
Aubrietia Eyrill.	Crassula spatulata.	Impatiens Sultana, car-	Chinese.
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Begonia Angel's Wing.	Portulacoides.	Purplish carmine.	Sieboldii grandiflora.
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Compta.	Cypripedium acanle.	English, hardy.	Roses in variety.
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Fuchsoides coccinea.	Deutzia gracilis, shrub.	Kenilworth, for baskets.	Ruellia formosa.
Margaritae.	Crenata fl. pl.	Jasminum gracilium.	Russelia juncea.
Multiiflora hybrida.	Pride of Rochester.	Grand Duke.	Salvia splendens, scarlet.
M. de Lesseps.	Double Daisy. Ball of Snow.	Grandiflorum.	Scarlet.
Queen of Bedders.	Longfellow, pink.	Rudiflorum.	New Scarlet.
Pres. Carnot.	Echeveria secunda.	Officialis.	Rutiflora, new.
Robusta.	Elecampane, Inula.	Poeticus.	Sansevieria Zeylanica.
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Thurstonii.	Euonymus Japonica aurea.	Kenilworth Ivy.	Selaginella, moss-like.
Vittata alba.	Variegata, hardy.	Kerria Japonica.	Sedum, hardy, yellow.
Weltoniensis, white.	Eupatorium riparium.	Kalmia (Laurel.)	Sedum, for baskets.
Weltoniensis, red.	Fabiana imbricata.	Lantana, white, pink, yellow.	Acre, "Crowfoot."
Weltoniensis, cut-leaved.	Fern, Camptosaurus rhizo-	Don Calmet, or Weeping.	Maximowiczii, yellow.
Begonia, Tuberous sorts.	phyllus (Walking Fern).	Leonotis leonurus.	Senecio macroglossis.
Begonia Rex, in variety.	Ficus repens, for walls.	Leucanthemum maximum.	Smilax, Boston.
Bergamot, scarlet, Monarda.	Porsythia viridissima.	Libonia perhosiensis.	Solanum azureum.
White-flowered.	Suspensa, slender.	Lobelia, Royal Purple.	Dulcamara, vine.
Bignonia radicans.	Fuchsia, Black Prince.	Barnard's Perpetual.	Scutellaria pulchella.
Bougainvillea glabra.	Arabella Improved.	Lopesia rosea.	Spirea, Anthony Waterer.
Bryophyllum calycinum.	Dr. Tapinard.	Lysimachia, (Moneywort.)	Japonica.
Buxus sempervivum.	Fort.	Mabricaria capensis.	Prunifolia.
Catananche Coerulea.	Mons. Thibit.	Machaya bella.	Reyessii.
Caladium esculentum.	Molesworth.	Mahernia odorata.	Stapelia variegata.
California Privet.	Oridamme.	Manettia cordifolia, rare.	Stevia Serrata.
Calystegia pubescens.	Procumbens.	Bicolor, scarlet.	Serrata variegata.
Sapientum.	Snow Ferry.	Mandevillea suaveolens.	Strobanthes Dyerianus.
Callirhoe involucreta.	Speciosa.	Marguerite Daisy.	Anisophyllus.
Calla Lily, "Fragrance."	Van der Strauss.	Matrimony Vine, hardy.	Tacoma Smithii.
Spotted-leaved.	Fuchsia Monarch.	Matricaria capensis alba.	Thyme, variegated.
Canna, Austria.	Elm City.	Mesembryanthemum cordi-	Tradescantia multicolor.
Carex Japonica aurea.	Little Prince.	Grandiflorum. [folium.	Virginica.
Carnation, Grenadin fl. pl.	Funkia, in variety.	Mexican Primrose.	Zebрина.
Early Vienna fl. pl.	Gaillardia grandiflora.	Meyenia erecta.	Trailing Arbutus.
Marguerite, white.	Gardenia, Cape Jasmine.	Michauxia campanulata.	Tuberosa, Double.
Marguerite, mixed.	Gentiana Andrewsii, bine.	Mimulus, Musk Plant.	Veronica imperialis.
Caryopteris mastacanthus.	Geranium maculatum.	Mitchella repens.	Spicata.
Celastrus scandens.	Geranium, Scented-leaved.	Muhlenbeckia compacta.	Verbena, Hardy Purple.
Cereus, night-blooming.	Mrs. Taylor.	Musa ensete.	Hybrida, in variety.
Cestrum parqui.	Nutmeg-scented.	Myosotis, Forget-me-not.	Vinca, Hardy Blue.
Poeticus.	Oak-leaf-scented.	Myrtus communis.	Variegated yellow.
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Chelone barbata.	Walnut-scented.	Oenothera Missouriensis.	Rosea, rose.
Chrysanthemum, Pelican.	Geranium, Flowering sin-	"Old Bachelor," scented.	Rosea alba, white.
Bayard Cutting.	gle in variety.	"Old Maid," scented.	Viola, in variety.
Challenge.	Geranium, Flowering, dou-	"Old Man," scented, hardy.	Wahlenbergia.
Chas Davis.	ble in variety.	"Old Woman," scented.	Water Hyacinth.
Constellation.	Geranium, Bronze.	Oxalis, Buttercup.	Weigela rosea floribunda.
Golden Wedding.	Geranium, Ivy-leaved in	Floribunda.	Yucca filamentosa.
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Arabis alpina, lovely edging, early free blooming. Flowers pure white.
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Linum perenne, lovely hardy perennials, all colors in fine mixture.
Matricaria, elegant Feverfews, hardy, double and exceedingly floriferous.
Myosotis, Forget-me-not, finest mixture. Exquisite hardy plants.
Pansy, Giant-flowered, special mixture of all shades; seeds of extra quality.
Pentstemon, finest mixture of exquisite hardy varieties; various colors.
Rocket, Sweet, in finest mixture of all kinds and colors; beautiful and fragrant.
Sweet William, the new large-flowered, variegated kinds, single and double.
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The MAGAZINE is well worth more than the sum asked, while the perennials you will find perfectly hardy and the choicest of flowers. Order and sow at once. If the seeds are sown this month you will rejoice in their bloom and beauty next season. Cultural directions in each package. Be sure to call for "Grand Perennials" to avoid mistake in sending the premium.

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Every flower-lover should subscribe for the MAGAZINE upon the above offer. I hope everyone who reads this will try to send a few names with his or her own. Samples and Blank Lists free. As an acknowledgment of the efforts of friends I will mail one of the following choice hardy perennials for each trial subscription sent with your own, or all for club of ten:

Adonis vernalis, lovely yellow-flowered perennial.
Alyssum saxatile compactum, yellow clusters.
Cornation, finest double bedding sorts in mixture.
Clove Pink, Old-fashioned Double in finest colors.
Chrysanthemum inodorum, double white, pretty.

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Larkspur, New Yellow, Delphinium sulphureum.
Hollyhock, finest mixture, very double, beautiful.
Polemonium, Jacob's Ladder, a superb mixture.
Pyrethrum roseum, large cosmos-like flowers.
Biennials and Perennials, 100 best varieties.

CHOICE SEEDS FOR PRESENT SOWING.

Hardy Perennials for the Garden.

Now is the time to sow the following choice Perennials. Sown this month the plants will get well started this season, and will be able to withstand the rigors of winter. Do not delay the matter. If you love perennials start the plants for a bed this month. You will save a year's time by doing so.

Agrostemma coronaria	5	Carnation, fine double...	10	Double Daisy.....	10	Malva moschata alba...	5
Anchusa capensis.....	5	Dwarf.....	10	Gypsophila paniculata.....	5	Premium Pansy, mixed	5
Asphodelus luteus.....	10	Grenadin.....	10	Gallardia grandiflora.....	5	Pyrethrum roseum, m'd	5
Arbuetia, mixed.....	5	Coreopsis lanceolata.....	5	mixed.....	5	Silene orientalis.....	10
Alyssum saxatile.....	5	Catananche fl. pl.....	5	Hedysarum (tender).....	5	Tunica saxifraga.....	5
Antirrhinum majus, m'd	5	Chelone barbata, scarlet	5	Hollyhock, mixed.....	10	Verbena venosa.....	5
Arabis alpina.....	5	Campanula, mixed.....	5	Honesty.....	5	Drummondii.....	5
Centaurea, mixed.....	5	Delphinium, mixed.....	5	Iberis Gibraltarica.....	10	Perennial seeds mixed	10

This list might be extended, but most other perennials require so much time to germinate that the plants would not get established this autumn. The above will all germinate in from 7 to 14 days after sowing.

Winter-blooming Flowers for Window or Conservatory.

Alyssum, Sweet.....	5	Calendula, mixed.....	5	Gilia capitata.....	5	Petunia, Double, mixed	15
Ageratum, mixed.....	5	Prince of Orange.....	5	Iberis, annual Candytuft	5	Fringed, mixed.....	5
Alonsoa, mixed.....	5	Chinese Primrose, mix'd	10	Kenilworth Ivy.....	5	Medium-fl'w'd, mixed	5
Aster, Queen of the		Cuphea miniata.....	5	Lobelia, blue.....	5	Large-fl'w'd, mixed	5
Market.....	8	Roezli grandiflora.....	5	Mimulus, mixed.....	5	Scabiosa, mixed.....	5
Balsam, double, mixed	10	Celosia pyramidalis,		Mignonette, dwarf.....	5	Schizanthus, mixed.....	5
Browallia, mixed.....	5	mixed.....	5	Nicotiana affinis.....	5	Tropaeolum, mixed.....	5
Chrysanthemum, annu'l	5	Double Daisy, Improved	10	Nierembergia gracilis.....	5	Verbena hybrida.....	5

All these will bloom in the window or conservatory in winter if started from seeds in July or August. You can thus secure a fine display of plants and flowers for your window at very small cost. All the above can be had of almost any seedsman at the prices quoted.

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